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1. (Currently amended) An antimicrobial polymerie coating composition, consisting essentially of in particular an antimicrobial coating material, comprising inorganic core-shell particles having a core and at least one shell directly deposited thereon, wherein

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the core consists of nanoscale particles selected from the group consisting of aluminum oxide, zirconium oxide, titanium oxide, iron oxide, cerium oxide, indium-tin oxide, silicon carbide, tungsten carbide and silicon nitride, having a particle size <100 nm, and

the shell is formed by at least one metal having an antimicrobial action a polymeric material and

inorganic core-shell particles having a core and at least one shell directly deposited thereon, wherein

the core consists of nanoscale particles of an inorganic material with semiconductor properties, having a particle size < 100 nm and

the shell is formed by at least one metal having antimicrobial action.

2-5. (Cancelled)

- 6. (Previously Presented) The coating composition of claim 1, characterized in that the metal is silver or copper.
- 7. (Previously Presented) The coating composition of claim 1, characterized in that the nanoscale particles which form the core possess a particle size of between 5 nm and 50 nm.
- 8. (Previously Presented) The coating composition of claim 1, characterized in that the coreshell particles possess a particle size of between 5 nm and 100 nm.
- 9. (Previously Presented) The coating composition of claim 1, characterized in that the coat thickness of the shell is between 0.1 nm and 20 nm.

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- 10. (Previously Presented) The coating composition of claim 1, characterized in that it is a water-miscible coating composition.
- 11. (Previously Presented) The coating composition of claim 1, characterized in that it is a coating composition based on acrylic resins or based on polyurethane.
- 12. (Previously Presented) The coating composition of claim 1, characterized in that it is a coating composition based on a powder coating material.
- 13. (Previously Presented) The coating composition of claim 1, characterized in that the coreshell particles are present in the composition in amounts of between 0.1% and 15% by weight.
- 14. (Previously Presented) The coating composition of claim 1, characterized in that it is present as a coat on a substrate.
- 15. (Previously Presented) A process for preparing an antimicrobial polymeric coating, comprising an antimicrobial coating material, comprising inorganic core-shell particles having a core and at least one shell directly deposited thereon, characterized in that the core-shell particles are produced using nanoscale particles of an inorganic material having a particle size <100 nm as a core and at least one metal having antimicrobial action is applied as a shell to at least one particle in solution or in suspension in a UV radiation induced redux reaction, and are mixed, or homogenized, with an organic polymer material.

16-17. (Cancelled)

18. (Previously Presented) The process of claim 15, characterized in that the metal is copper or silver.

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19. (Previously Presented) The process of claim 15, characterized in that following application of the shell the solvent is removed to obtain a powder.

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20. (Previously Presented) An article characterized in that it is coated at least partly, or completely, with the coating composition of claim 1.

21-26. (Cancelled)

- 27. (Previously Presented) The coating composition of claim 1, characterized in that the nanoscale particles which form the core possess a particle size of between 5 nm and 20 nm.
- 28. (Previously Presented) The coating composition of claim 1, characterized in that the coreshell particles possess a particle size of between 10 nm and 50 nm.
- 29. (Previously Presented) The coating composition of claim 1, characterized in that the coreshell particles possess a particle size of between 20 nm and 45 nm.
- 30. (Previously Presented) The coating composition of claim 1, characterized in that the coat thickness of the shell is between 1 nm and 10 nm.
- 31. (Previously Presented) The coating composition of claim 1, characterized in that the coreshell particles are present in the composition in amounts of between 0.25% and 10% by weight.
- 32. (Previously Presented) The coating composition of claim 1, characterized in that the coreshell particles are present in the composition in amounts of 2% and 4% by weight.
- 33. (Previously Presented) The process of claim 19, wherein the powder obtained by the removal of the solvent is calcined.